



Pavlos Kollias is currently an Associate Professor and Canada Research Chair of Radar Applications in Weather and Climate Research at the Department of Atmospheric and Oceanic Sciences, McGill University Canada. Kollias is an international leader in the application of short wavelength radars for cloud and precipitation research from ground-based and space-based platforms. He is the leader of the DOE Atmospheric Systems Research (ASR) radar science group. He is a member of the Mission Advisory Group and algorithm development team of the European Space Agency Earth Clouds Aerosols Radiation Experiment (EARTHCARE) Explorer Mission.



Edward Luke is a senior applications engineer in the Biological, Environmental, and Climate Sciences Department at Brookhaven National Laboratory, U.S.A. with a BSEE degree from Rensselaer Polytechnic Institute in Troy, NY. He has expertise in developing techniques for observing the microphysics and dynamics of clouds and precipitation using millimeter wavelength radars, particularly their Doppler spectra, with an emphasis on cloud-precipitation mixtures and precipitation formation processes in warm stratocumulus and Arctic mixed-phase clouds, visualization, and high performance computing.



Alessandro Battaglia, graduated at the University of Padova, Italy, with a thesis in Particle Physics and received the Ph.D. degree in Physics at the University of Ferrara, Italy. He is experienced in theoretical research in space-borne radars, in scattering computations by populations of non-spherical particles and in microwave radiative transfer in clouds and precipitation. Currently, he is Reader at the University of Leicester, Department of Physics and Astronomy.



Stefan Kneifel is a PostDoctoral Fellow in Prof. Kollias' group in the Department of Atmospheric and Oceanic Sciences, McGill University, Montreal, Canada. Expertise/Research Interests: Microphysics of clouds and precipitation with focus on mixed-phase clouds and snowfall, Passive Microwave Radiometry (ground-based), Millimeter wavelength radars (especially multi wavelength applications and Doppler spectrum analysis), Absorption Properties of super-cooled liquid water in the MW, Scattering properties of snowfall in the MW, development of novel in-situ sensors for radiosondes, Radiative Transfer in the MW, Atmospheric Electricity. http://www.researchgate.net/profile/Stefan_Kneifel



Dr Frederic Tridon is a post -doctoral research assistant in the earth observation science group at the University of Leicester. He completed his PhD in 2011 at the Blaise Pascal University in Clermont-Ferrand (France). His research interests focus on dual wavelength radar observations of cloud and precipitation from the ground or from space at various frequencies, from millimetre to centimetre wavelength. He developed rain dual-wavelength Doppler radar retrievals either combining diverse radar moments (radar reflectivity, Doppler velocity, ...) or the full Doppler spectra, particularly a multi-wavelength optimal estimation framework for the retrieval of precipitation profiles at the ARM facilities. He is now involved in a NERC project for calibration and validation studies of the Global Precipitation Mission over the North Atlantic and UK.